



## MECKLENBURG COUNTY FIRE MARSHAL'S OFFICE

Plans submitted to the Mecklenburg County Fire Marshal's Office will be reviewed in accordance with all local, state and federal requirements. Referenced materials to verify all requirements are met include, but are not limited to the North Carolina State Building Code: Fire Code, Building Code, Mechanical Code, Plumbing Code, the National Fire Protection Association (NFPA), and other referenced standards as required.

**Note:** This information is a list of the most common items related to submitting plans to our office. There are many additional requirements that apply to a specific project. Please contact our office at (980) 314-3070 if you have specific questions related to your project.

### **NEW CONSTRUCTION**

Site Utility Plans shall be submitted when there are plans for construction of a commercial project or the construction of a residential community. The site plans must show the following, as a minimum:

- All Fire Hydrants:
  - All new construction shall be required to provide approved fire flow requirements.
  - All fire flows shall be required through the Mecklenburg County Fire Marshal's Office.
  - All flows for private hydrant flow requirements require authorization from property owners.
  - Fire hydrants shall be within 750 feet as the fire apparatus travels to the most remote point of the structure. (Cannot travel over medians)
  - Fire hydrants shall have 5-inch storz connection.
  - Fire hydrants shall not be behind assigned parking spaces.
- Fire line details shall be provided and meet the requirements of NFPA 24.
- All Fire Department Connection (FDC) locations:
  - Fire Department Connections shall be located not less than 18 inches nor more than 48 inches above the level of adjoining ground, sidewalk, or grade surface.
  - Fire hydrants shall be within 200 feet as the fire apparatus travels to a FDC for NFPA 13 systems and 750 feet for NFPA 13R systems.
- Apparatus access roads shall be capable of supporting 80,000 pounds.
- Minimum road width is 20 feet from curb to curb and shall be heavy pavement.
- Minimum unobstructed vertical clearance of not less than 13 feet 6 inches.
- Medians shall have mountable curbs and be capable of supporting 80,000 pounds.
- Turning radius shall be a minimum 30 feet inside / 42 feet outside. Template SB-30 (Engine)
- and B-40 (Ladder Trucks) for all drawings and scaled no smaller than 1:60.
- Dead-end roads in excess of 150 feet will require an approved area for fire apparatus turn-around.

Rev.10/19